

REMARKS

Careful consideration has been given by the Applicants to the Examiner's comments and rejection of the claims as set forth in the outstanding Office Action, and favorable reconsideration and allowance of the application, as amended, is earnestly solicited.

Applicants note the numerous formal grounds of objection and rejection of the present claims under 35 U.S.C. §112, first and second paragraph. An appropriate amendment has been implemented to the respective claims so as to present these in appropriate grammatical format while concurrently providing the required antecedent terminology.

Accordingly, inasmuch as the claims have been extensively amended as required by the Examiner, Applicants note that the ground of objection and rejection thereof have been rendered moot, and favorable consideration of the claims are earnestly solicited.

However, Applicants also note that the Examiner's objections in that the drawings and specification fail to provide adequate support for the claims, inasmuch as the drawings are objected to under 37 C.F.R. §1.83(a) in lacking to clearly show how retracting the piston rod of piston 62 and extending the piston rod of piston 65 will rotate or lift the shovel or boom.

However, contrary to the Examiners grounds of objection, Applicants respectfully submit that the present specification clearly and unambiguously describes the interaction and operative connections between the boom components, such as the lifting and rotating elements regarding the shovel or the boom and the piston rods and cylinders.

In particular, Applicants note that, in essence, the interconnections between these components which provide operative relationships between the piston rods and cylinders in

the shovel or boom are clearly set forth in the specification, and particularly as described herein so as to be obvious to one of skill in the particular technology.

In essence, the basic concept of interconnecting lifting tilting cylinders is clearly described in Roth, et al., U.S. Patent No. 5,528,911 which is the U.S. counterpart of European Patent 0564939 referred to as prior art in the present specification, and which is assigned to Menesmann Rexroth GMBH which is a sister company or subsidiary of the present assignee.

In essence, reverting to the Roth, et al. U.S. Patent 5,528,911 this clearly discloses in drawing Figures 1 and 2 the operative interconnections between the tilt and lifting mechanisms and the hydraulic valves, the concepts of which are essentially incorporated herein, and wherein the present invention and claims are directed to an improvement thereover.

Contrary to the Examiner's comments that the specification and drawings fail to disclose the connections between the hydraulic components and the shovel and boom, the mechanical connections are basically conventional design aspects wherein the specific details would not be necessary for an understanding of the invention.

Hereby, in support of the claims, Applicants respectfully submit that the drawings and specification as also mentioned by the Examiner as bridging pages 16-17 and 24-25, clearly show detailed aspects and functions of the hydraulic systems in relation to the motion of the lifting and rotating aspects of the work tools of the loader apparatus. In particular, Applicants note that the present specification unambiguously sets forth the step by step functioning of the various hydraulic cylinders and pistons in order to generate the required pressure cycles for operating these particular components, wherein the details as to the boom connections are

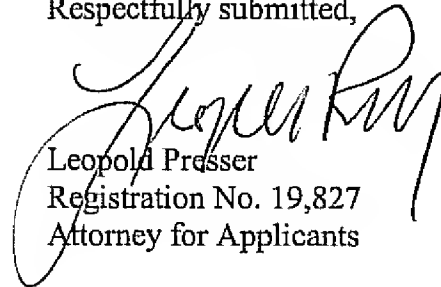
deemed to be unnecessary for an understanding of the movement of these components relative to the operation of the hydraulic and/or electrical functions of the arrangement.

In essence, without discussing the foregoing in further detail, Applicants respectfully request the Examiner to reconsider the grounds of objection concerning the drawing disclosure and the specification which are deemed to be in full support of the functioning of the present lifting and/or rotating mechanism with the hydraulic control and adjustment system for the working tool. All of the essential operative components are clearly described in the specification and shown in the drawings and in support of the basic concept thereof, whereby the present invention is an improvement over the Roth, et al. U.S. Patent No. 5,528,911 as is also clearly emphasized and described herein.

Accordingly, in summation, Applicants respectfully submit that the disclosure and drawings fully meet the requirements and set forth providing for the underlying support for the revised claims which are being presented herein for the Examiner's consideration, whereby the early and favorable consideration of the application on the merits and allowance thereof by the Examiner are earnestly solicited. However, in the event that the Examiner has any queries concerning the instantly submitted Amendment, Applicants' attorney respectfully requests that

he be accorded the courtesy of possibly a telephone conference to discuss any matters in need of attention.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Leopold Presser', is written over the typed name and title.

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